



## *Bay Area Traffic Congestion is Only Getting Worse*

### **High-Speed Trains Offer Bay Area Travelers:**

- A new transportation option
- A faster option to the Central Valley and Southern California
- A better option for the environment



SIMULATION ARTWORK: NSCD

**“There is no other single project that can combat global warming, move people fast, create good-paying jobs and unclog our freeways.”**

**— Assemblymember Fiona Ma**

# California High-Speed Train Proposed Route

## The Problem

- Traffic congestion costs California **\$20 billion** per year in wasted fuel and lost time.
- SFO and other California airports are predicting **"unacceptable delays"** and will need 90 new gates and five new runways just to accommodate trips between California's major metropolitan areas—with virtually no room to accommodate future expansion.
- California's population will grow to **50 million people in 20 years**. Already, California has **three of the top five most congested urban areas** in the United States—Los Angeles, the San Francisco Bay Area and San Diego.



SIMULATION ARTWORK: N3CD

"It is essential for the economic future of the Bay Area as well as the future of the state in terms of its competitiveness. This is a vision that we can manifest in our lifetime. Let's get moving, let's build this high-speed train."

— San Francisco Mayor Gavin Newsom

San Francisco  
to  
Los Angeles  
**2.5 hours**

San Francisco  
to  
San Jose  
**30 minutes**

San  
Dis  
**Und**

## The Solution: High-Speed Trains

- High-speed trains will **remove millions of passenger trips** from our highways every year and attract millions of airline passengers to reduce airport delays.
- High-speed trains will **reduce traffic on freeways** by creating high-speed options for long-distance travelers, separated freight movement and enhanced local commuter transit.
- High-speed trains **use 1/3 the energy** of air travel and **1/5 the energy** of auto travel.
- High-speed trains will **eliminate over 12 billion pounds of the greenhouse gas emissions** that cause global warming each year. That's equivalent to removing more than one million vehicles from our roads annually.
- High-speed trains will **reduce dependence on foreign oil** by up to 12.7 million barrels per year.
- **High-speed trains** will not share tracks with freight services, but will be immediately adjacent to existing tracks. High-speed train tracks will be separated from all crossing auto and pedestrian traffic and the system will be fenced to prevent intrusion.



SIMULATION ARTWORK: N3CD

- HST Preferred Alignments
- Proposed High-Speed Commuter Rail / HST Overlay
- Stations
- Potential Station

Map based on 2005 Statewide Programmatic EIR/S preferred route, and staff recommendation to Authority Board December 19, 2007.





By linking all major metropolitan areas in California with a new 220-mph transportation option, California's planned system of high-speed trains will move people and services across the state more efficiently than ever before.

### Examples of High-Speed Train Travel Times

Travel Route	Travel Time hours : minutes
San Francisco to Los Angeles	2:38
San Francisco to Anaheim	2:57
San Francisco to Ontario	3:02
San Francisco to San Diego	3:56
San Jose to Merced	:45
San Jose to Fresno	:51
San Jose to Bakersfield	1:20
San Jose to Palmdale	1:47

*"Using steel wheels on steel track reduces friction and is energy-efficient compared with rubber tires on freeways or airplanes flying in the wind."*

**Oliver Hauck,**  
Siemens Transportation Systems

*The Stockton Record, September 17, 2007*

**With voter approval of the high-speed train bond in November 2008, construction is likely to begin as early as 2011 on a statewide system of high-speed trains.**



**CALIFORNIA HIGH-SPEED RAIL AUTHORITY**  
925 L Street, Suite 1425, Sacramento, CA 95814  
[www.cahighspeedrail.ca.gov](http://www.cahighspeedrail.ca.gov)